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FILE 'USPAT' ENTERED AT 11:44:24 ON 26 JUN 1997

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\* WELCOME TO THE \*  
\* U.S. PATENT TEXT FILE \*  
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153  
38  
228

L1 0 5619715/UREF,BI,RLPN,REPN

L2 9 5109384/UREF,BI,RLPN,REPN

=> s 5109384/uref

L3 9 5109384/UREF

=> s 5109384/pn

L4 1 5109384/PN

FILE 'USPAT' ENTERED AT 11:27:43 ON 01 JUL 1997

L1 1 5504921/UREF,BI,RLPN,REPN

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L2 3 5495610/UREF,BI,RLPN,REPN

=> d date cit ab 1-

L2: 1 of 3

TITLE: Information processing system having a configuration  
management system for managing the software of the  
information processing system

US PAT NO: 5,619,716 DATE ISSUED: Apr. 8, 1997

:IMAGE AVAILABLE:

APPL-NO: 08/466,238 DATE FILED: Jun. 6, 1995

FRN-PR. NO: 3-288808 FRN FILED: Nov. 5, 1991

FRN-PR. CO: Japan

FRN-PR. NO: 4-096278 FRN FILED: Apr. 16, 1992

FRN-PR. CO: Japan

REL-US-DATA: Continuation of Ser. No. 971,566, Nov. 5, 1992, abandoned.

1. 5,619,716, Apr. 8, 1997, Information processing system having a  
configuration management system for managing the software of the  
information processing system; Naomichi Nonaka, et al., 395/800, 200.09,  
200.1, 617, 651 :IMAGE AVAILABLE:

ABSTRACT:

An information processing system in which update processes are automated in conformity with types of client machines, to thereby dispense with manual version update processes, and within which redirectors of identical version are run at any time, to thereby prevent any error ascribable to different programs from occurring. When a redirector stored in the client machine is started, it notifies version information of its own to a configuration management program stored in a server machine. In a case where version information of a redirector stored in a configuration management database is newer than the notified version information, the configuration management program sends an update request back to the redirector of the client machine and transfers the new redirector to the client machine so as to update the redirector thereof.

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L2: 3 of 3

TITLE: Method and system for revising data in a distributed data communication system

US PAT NO: 5,602,993 DATE ISSUED: Feb. 11, 1997

:IMAGE AVAILABLE:

APPL-NO: 08/167,844 DATE FILED: Feb. 7, 1994

FRN-PR. NO: 9101795.4 FRN FILED: Jun. 12, 1991

FRN-PR. CO: Sweden

FRN-PR. NO: 9101796.2 FRN FILED: Jun. 12, 1991

FRN-PR. CO: Sweden

FRN-PR. NO: 9200604.8 FRN FILED: Feb. 28, 1992

FRN-PR. CO: Sweden

PCT-NO: PCT/SE92/00411 PCT-FILED: Jun. 12, 1992

371-DATE: Feb. 7, 1994

102(E)-DATE: Feb. 7, 1994

PCT-PUB-NO: WO92/22870 PCT-PUB-DATE: Dec. 23, 1992

3. 5,602,993, Feb. 11, 1997, Method and system for revising data in a distributed data communication system; Fredrik Stromberg, 395/200.1; 364/280.3, 962.1, DIG.1, DIG.2 :IMAGE AVAILABLE:

ABSTRACT:

The invention relates to an arrangement and to a method for revising selected data in a distributed data communication system, eg such data as a data program or document intended for a number of a plurality of destination devices (AEI, AEII, LSE2, LSE3) in the data communication system individually selected by an administrator, in which each destination device includes at least one memory unit (ME, LSM2, LSM3) for

individual storage of data. The revision involves, for instance, installing and/or changing the selected data, a) a list of the selected destination devices is established; b) a procedure for the revision of the data on the selected destination devices is established and the procedures (L2; C2) are stored as a revision recipe; c) there is created a data package which at least contains the data to be revised and its revision recipe; d) the data package is distributed internally in the data communication system to the selected destination devices; e) the selected destination devices interpret the information in the data package with the aid of a special interpretation program installed in each destination device and initiating procedures on the basis thereof.

FILE 'USPAT' ENTERED AT 13:27:34 ON 01 JUL 1997

L1 11 CONFIGUR? (P) UPDATE (P) (SOFTWARE OR PROGRAM#) (P) (TRANSMIT  
OR SEND)

=> d date cit ab hit 1-

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\*\*L2 2927 CONFIGUR? (P) (SOFTWARE OR PROGRAM# OR HARDWARE) (P)  
(TRANSMIT? OR SEND? OR BROADCAST?)\*

\*\*L3 37524 395/CLAS\*\*

\*\*L4 38449 S1 AND S2\*\*

\*\*L5 11 L1 AND L2\*\*

\*\*L6 968 L2 AND L3\*\*

\*\*L7 34 ((CONFIGUR?/TI,AB (P) (SOFTWARE/TI,AB OR PROGRAM#/TI,AB OR  
HARDWARE/TI,AB) (P) (TRANSMIT?/TI,AB OR SEND?/TI,AB OR BROADCAST?/TI,  
AB)) AND (395/CLAS))\*

\*\*=> d date hit 1-\*\*

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L7: 1 of 34\*\*

\*\*TITLE: Information processing system having a configuration\*\*

\*\* management system for managing the software of the\*\*

\*\* information processing system\*\*

\*\*US PAT NO: 5,619,716 DATE ISSUED: Apr. 8, 1997\*\*

\*\* [IMAGE AVAILABLE]\*\*

\*\*APPL-NO: 08/466,238 DATE FILED: Jun. 6, 1995\*\*

\*\*FRN-PR. NO: 3-288808 FRN FILED: Nov. 5, 1991\*\*

\*\*FRN-PR. CO: Japan\*\*

\*\*FRN-PR. NO: 4-096278 FRN FILED: Apr. 16, 1992\*\*

\*\*FRN-PR. CO: Japan\*\*

\*\*REL-US-DATA: Continuation of Ser. No. 971,566, Nov. 5, 1992, abandoned.\*\*

\*\*US-CL-CURRENT: \*\*395/800\*\*, \*\*200.09\*\*, \*\*200.1\*\*, \*\*617\*\*, \*\*651\*\*\*\*

\*\*database managers. The database managers in the \*\*software\*\* object level\*\*  
 \*\*operate to provide data to the high level features in the same format.\*\*  
 \*\*The \*\*software\*\* object level communicates with a \*\*hardware\*\* object\*\*  
 \*\*level which also contains databases and database managers to mask\*\*  
 \*\*differences between operational \*\*hardware\*\* units. By categorizing\*\*  
 \*\*operational units by type, additional units of a known type can be added\*\*  
 \*\*with only low level \*\*hardware\*\* object database changes. Adding units of\*\*  
 \*\*a new type is facilitated by \*\*software\*\* changes confined to the lower\*\*  
 \*\*level \*\*hardware\*\* and \*\*software\*\* objects, avoiding \*\*software\*\*\*\*  
 \*\*changes at high level features. Individual \*\*software\*\* objects are\*\*  
 \*\*tailored for typical types of inputs and output devices encountered by\*\*  
 \*\*facilities management systems. Universal drive circuitry also provides\*\*  
 \*\*applicability to a broad range of devices. Nodes are provided with ports\*\*  
 \*\*which may accommodate a non-\*\*configured\*\* device. When a\*\*  
 \*\*non-\*\*configured\*\* device is identified on a port, a drop identifier\*\*  
 \*\*specifying the port is \*\*transmitted\*\* to the non-\*\*configured\*\* device\*\*  
 \*\*for use in establishing a network address by which the non-\*\*configured\*\*\*\*  
 \*\*device can be accessed.\*\*

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L7: 17 of 34\*\*

\*\*TITLE: Method of accessing configured nodes in a facilities\*\*  
 \*\*management system with a non-configured device\*\*  
 \*\*US PAT NO: 5,444,851 DATE ISSUED: Aug. 22, 1995\*\*  
 \*\* [IMAGE AVAILABLE]\*\*  
 \*\*APPL-NO: 08/185,674 DATE FILED: Jan. 21, 1994\*\*  
 \*\*REL-US-DATA: Division of Ser. No. 476,031, Jan. 30, 1990, abandoned.\*\*  
 \*\*US-CL-CURRENT: \*\*395/200.1\*\*; 364/221, 222.2, 242.94, 242.95, 927.92,\*\*  
 \*\* 927.96, DIG.1, DIG.2\*\*

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\*\*ABSTRACT: \*\*

\*\*A networked system having a wide variety of applications and particularly\*\*  
 \*\*applicable to facilities management systems has multiple levels of\*\*  
 \*\*\*\*software\*\* in processing nodes. The levels include a "features"\*\*\*  
 \*\*processing level which communicates requests for data to a \*\*software\*\*\*\*  
 \*\*object level containing databases of processes and attributes and\*\*  
 \*\*database managers. The database managers in the \*\*software\*\* object level\*\*  
 \*\*operate to provide data to the high level features in the same format.\*\*  
 \*\*The \*\*software\*\* object level communicates with a \*\*hardware\*\* object\*\*  
 \*\*level which also contains databases and database managers to mask\*\*  
 \*\*differences between operational \*\*hardware\*\* units. By categorizing\*\*  
 \*\*operational units by type, additional units of a known type can be added\*\*  
 \*\*with only low level \*\*hardware\*\* object database changes. Adding units of\*\*  
 \*\*a new type is facilitated by \*\*software\*\* changes confined to the lower\*\*  
 \*\*level \*\*hardware\*\* and \*\*software\*\* objects, avoiding \*\*software\*\*\*\*  
 \*\*changes at high level features. Individual \*\*software\*\* objects are\*\*